

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1. (Currently amended) An electric motor ~~[[1]]~~ comprising:

a casing ~~(2) in which there is~~ having a shaft on which a stator and a rotor ~~[[3]] are~~
~~mounted on a shaft (4), the casing [[2]] comprising~~

a cup-shaped part ~~(5) and~~ ,

a lid ~~[[6]]~~, wherein the cup-shaped part and the lid are connected to one
another with removable connecting devices, and

a static seal ~~[[7]]~~ inserted between the cup-shaped part ~~[[5]]~~ and the lid
~~[[6]]~~, the static seal presenting comprising

an ~~Θ-ring~~ O-ring seal positioned in a seat ~~[[10]]~~ in the lid ~~[[6]]~~ or
in the cup-shaped part ~~[[5]]~~, and ~~also comprising~~

retaining means ~~(8) so that it remains applied~~ for maintaining the
application of the static seal to one of the elements, either the lid ~~[[6]]~~ or
the cup-shaped part ~~(5); the electric motor being characterised in that~~ ,
wherein the seal ~~(7)~~ retaining means ~~[[8]]~~ are rings ~~[[11]]~~ , each ring of
~~that~~ connected to the static seal ~~[[7]]~~ by two sections ~~[[12]]~~.

Claim 2. (Canceled)

Claim 3. (Canceled)

Claim 4. (Currently amended) The electric motor [(1)] according to ~~any of the foregoing claims claim 1, characterised in that~~ wherein the seal ~~(7)~~ retaining means [(8)] operate in conjunction with fixing means [(9)] present in the lid [(6)] or in the cup-shaped part [(5)].

Claim 5. (Currently amended) The electric motor [(1)] according to claim 4, ~~characterised in that~~ wherein the fixing means [(9)] are pins [(15)] which have a diameter slightly larger than that of the ring [(11)] internal hole, so that the ring adheres to the pin ~~(15) thanks~~ due to the elasticity of the material used to make the ring ~~(11)-6~~.

Claim 6. (Currently amended) The electric motor [(1)] according to claim 4, ~~characterised in that~~ wherein the fixing means [(9)] are pins [(15)] which have a truncated cone profile or a circumferential cavity with a diameter slightly larger than that of the ring [(11)] internal hole, so that the ring adheres to the pin ~~(15) thanks~~ due to the elasticity of the material used to make the ring [(11)].

Claim 7. (Currently amended) The electric motor [(1)] according to claim 4, ~~characterised in that~~ wherein the rings [(11)] are close to the devices connecting the cup-shaped part [(5)] and the lid [(6)], the latter respectively having protrusions [(13, 14)] in which the connecting devices, the rings [(11)] and the pins [(15)] are located.

Claim 8. (Currently amended) The electric motor [(1)] according to claim 1,
~~characterised in that~~ wherein the rings [(11)] are integral with the static seal [(7)] and
are made of the same elastomeric material.

Claim 9. (Currently amended) The electric motor [(1)] according to claim 1,
~~characterised in that~~ wherein the rings [(11)] are connected to the static seal [(7)] by
sections [(12)] and the rings [(11)] and the sections [(12)] are made with a diameter
(d) smaller than, or are thinner than, the diameter or the thickness (D) of the static seal
[(7)], so that they do not interfere with static seal [(7)] compression.

Claim 10. (Canceled)

Claim 11. (Canceled)

Claim 12. (New) An electric motor comprising:

a casing having a shaft on which a stator and a rotor are mounted, the casing comprising

a cup-shaped part,

a lid, wherein the cup-shaped part and the lid are connected to one another

with removable connecting devices, and

a static seal inserted between the cup-shaped part and the lid, the static seal

comprising

an O-ring seal positioned in a seat in the lid or in the cup-shaped part, and

retaining means for maintaining the application of the static seal to one of

the elements, either the lid or the cup-shaped part, wherein

the retaining means are rings, each ring connected to the static seal
by two sections, wherein

the retaining means operate in conjunction with fixing means
present in the lid or in the cup-shaped part, wherein the fixing means are
pins.

Claim 13. (New) An electric motor comprising:

a casing having a shaft on which a stator and a rotor are mounted, the casing comprising
a cup-shaped part,

a lid, wherein the cup-shaped part and the lid are connected to one another with
removable connecting devices, and

a static seal inserted between the cup-shaped part and the lid, the static seal
comprising

an O-ring seal positioned in a seat in the lid or in the cup-shaped part, and
retaining means for maintaining the application of the static seal to one of
the elements, either the lid or the cup-shaped part, wherein

the retaining means are rings, each ring connected to the static seal
by two sections, wherein

the retaining means operate in conjunction with fixing means
present in the lid or in the cup-shaped part, wherein

the fixing means are pins which have a diameter slightly larger than that of the ring internal hole, so that the ring adheres to the pin due to the elasticity of the material used to make the ring.

Claim 14. (New) An electric motor comprising:

a casing having a shaft on which a stator and a rotor are mounted, the casing comprising a cup-shaped part,

a lid, wherein the cup-shaped part and the lid are connected to one another with removable connecting devices, and

a static seal inserted between the cup-shaped part and the lid, the static seal comprising

an O-ring seal positioned in a seat in the lid or in the cup-shaped part, and retaining means for maintaining the application of the static seal to one of the elements, either the lid or the cup-shaped part, wherein

the retaining means are rings, each ring connected to the static seal by two sections, wherein

the retaining means operate in conjunction with fixing means present in the lid or in the cup-shaped part, wherein

the fixing means are pins which have a truncated cone profile or a circumferential cavity with a diameter slightly larger than that of the ring internal hole, so that the ring adheres to the pin thanks to the elasticity of the material used to make the ring.